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## What is claimed is:

- 1. A method of stimulating B-cell growth in an animal comprising the step of administering a therapeutically effective amount of a composition selected from the group consisting of:
  - (a) a BAFF ligand or an active fragment thereof;
  - (b) a BAFF ligand or an active fragment thereof and an anti-T antibody;
  - (c) a BAFF ligand or an active fragment thereof and a CD40 ligand; and
  - (d) a BAFF ligand or an active fragment thereof and an anti-CD40 ligand molecule.
- 2. A method of stimulating immunoglobulin production in an animal comprising the step of administering a therapeutically effective amount of a composition selected from the group consisting of:
  - (a) a BAFF ligand or an active fragment thereof;
  - (b) a BAFF ligand or an active fragment thereof and an anti-T antibody;
  - (c) a BAFF ligand or an active fragment thereof and a CD40 ligand;
  - (d) a BAFF ligand or an active fragment thereof and an anti-CD40 ligand molecule.
- 20 3. A method of co-stimulating B-cell growth and immunoglobulin production in an animal comprising the step of administering a therapeutically effective amount of a composition selected from the group consisting of:
  - (a) a BAFF ligand or an active fragment thereof;
  - -(b) a BAFF ligand or an active fragment thereof and an anti-T antibody;
  - (c) a BAFF ligand or an active fragment thereof and a CD40 ligand; and-
  - (d) a BAFF ligand or an active fragment thereof and an anti-CD40 ligand molecule.
  - 4. A method of stimulating dendritic cell-induced B-cell growth and maturation comprising the step of administering a therapeutically effective amount of a composition selected from the group consisting of:

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- (a) a BAFF ligand or an active fragment thereof;
- (b) a BAFF ligand or an active fragment thereof and an anti-T antibody;
- (c) a BAFF ligand or an active fragment thereof and a CD40 ligand; and
- (d) a BAFF ligand or an active fragment thereof and an anti-CD40 ligand molecule.
- 5. The method according to claims 1-4 wherein the BAFF ligand is a soluble BAFF ligand.
- 6. The method according to claim 5 wherein the soluble BAFF ligand is a recombinant BAFF ligand.
- 7. The method according to claims 1-4 wherein the anti-CD40 molecule is a monoclonal antibody.
- 8. The method according to claims 1-4 wherein the animal is of mammalian origin.
- 9. The method according to claim 8 wherein the mammal is human.
- 10. A method of inhibiting B-cell growth in an animal comprising the step of administering a therapeutically effective amount of a composition selected from the group consisting of:
  - (a) a anti-BAFF ligand molecule or an active fragment thereof;
  - (b) a recombinant, inoperative BAFF ligand molecule or an active fragment thereof:
  - (c) an antibody specific for BAFF ligand or an active fragment thereof; and
  - (d) an antibody specific for BAFF ligand receptor or an epitope thereof.
  - 11. A method of inhibiting immunoglobulin production in an animal comprising the step of administering a therapeutically effective amount of a composition selected from the group consisting of:
    - (a) a anti-BAFF ligand molecule or an active fragment thereof;

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- (b) a recombinant, inoperative BAFF ligand molecule or an active fragment thereof;
- (c) an antibody specific for BAFF ligand or an active fragment thereof; and
- (d) an antibody specific for BAFF ligand receptor or an epitope thereof.
- 12. A method of co-inhibiting B-cell growth and immunoglobulin production in an animal comprising the step of administering a therapeutically effective amount of a composition selected from the group consisting of:
  - (a) a anti-BAFF ligand molecule or an active fragment thereof;
  - (b) a recombinant, inoperative BAFF ligand molecule or an active fragment thereof;
  - (c) an antibody specific for BAFF ligand or an active fragment thereof; and
  - (d) an antibody specific for BAFF ligand receptor or an epitope thereof.
- 13. A method of inhibiting dendritic cell-induced B-cell growth and maturation in an animal comprising the step of administering a therapeutically effective amount of a composition selected from the group consisting of:
  - (a) a anti-BAFF ligand molecule or an active fragment thereof;
  - (b) a recombinant, inoperative BAFF ligand molecule or an active fragment thereof;
  - (c) an antibody specific for BAFF ligand or an active fragment thereof; and
  - (d) an antibody specific for BAFF ligand receptor or an epitope thereof.
- 14. The method according to claims 10-13, wherein the anti-BAFF ligand is soluble.
- 15. The method according to claim 14, wherein the soluble anti-BAFF ligand is a recombinant anti-BAFF ligand.
- 16. The method according to claims 10-13, wherein the anti-BAFF antibody is a monoclonal antibody.

The method according to claims 10-13, wherein the anti-BAFF receptor antibody is a monoclonal antibody.

- 17. A method of treatment of an autoimmune disease comprising the step of administering a therapeutically effective amount of a composition selected from the group consisting of:
  - (a) a BAFF ligand or an active fragment thereof;
  - (b) a BAFF ligand or an active fragment thereof and an anti-T antibody;
  - (c) a BAFF ligand or an active fragment thereof and a CD40 ligand;
  - (d) a BAFF ligand or an active fragment thereof and an anti-CD40 ligand molecule;
  - (e) a anti-BAFF ligand molecule or an active fragment thereof;
  - (f) a recombinant, inoperative BAFF ligand molecule or an active fragment thereof;
  - (g) an antibody specific for BAFF ligand or an active fragment thereof; and
  - (h) an antibody specific for BAFF ligand receptor or an epitope thereof.
- 18. A method of treating a disorder related to BAFF-ligand comprising the steps of:
  - (a) introducing into a desired cell a therapeutically effective amount of a vector containing a gene encoding for a RAFF-related molecule; and

(b) expressing said gene in said

19. The method according the group consisting

(a) a BAFF liga

(b) a BAFF ligand . ... thereof and an anti-T antibody;

(c) a BAFF ligand or a

fragment thereof and a CD40 ligand;

F-related molecule is selected from

- (d) a BAFF ligand or an active fragment thereof and an anti-CD40 ligand molecule;
- (e) a anti-BAFF ligand molecule or an active fragment thereof;
- (f) a recombinant, inoperative BAFF ligand molecule or an active fragment thereof;

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- (g) an antibody specific for BAFF ligand or an active fragment thereof; and
- (h) an antibody specific for BAFF ligand receptor or an epitope thereof.
- The method according to claims 17-19, wherein the BAFF ligand is a soluble BAFF
  ligand.
  - 21. The method according to claim 20, wherein the soluble BAFF ligand is a recombinant BAFF ligand.
  - 22. The method according to claims 17-19, wherein the anti-CD40 molecule is a monoclonal antibody.
  - 23. The method according to claims 17-19, wherein the anti-BAFF ligand is soluble.
  - 24. The method according to claim 23, wherein the soluble anti-BAFF ligand is a recombinant anti-BAFF ligand.
  - 25. The method according to claims 17-19, wherein the anti-BAFF antibody is a monoclonal antibody.
  - 26. The method according to claims 17-19, wherein the anti-BAFF receptor antibody is a monoclonal antibody.
- A method of inducing cell death comprising the administration of an agent capable of interfering with the binding of a BAFF-ligand to a receptor.
  - 28. A method of treating, suppressing or altering an immune response involving a signaling pathway between a BAFF-ligand and its receptor comprising the step of administering an effective amount of an agent capable of interfering with the association between the BAFF-ligand and its receptor.



29. A method of inhibiting inflammation comprising the step of administering a therapeutically effective amount of an antibody specific for a BAFF-ligand or an active fragment thereof.

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30. A method of inhibiting inflammation comprising the step of administering a therapeutically effective amount of an antibody specific for a BAFF-ligand receptor or an epitope thereof.

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31. A method of regulating hematopoietic cell development comprising the step of administering a therapeutically effective amount of a BAFF-ligand or an active fragment thereof.

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32. A method of treating, suppressing or altering an immune response involving a signaling pathway between a BAFF-ligand and its receptor comprising the step of administering an effective amount of an agent capable of interfering with the association between the BAFF-ligand and its receptor.

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33. A method of treating hypertension in an animal comprising the step of administering a therapeutically effective amount of a B-cell growth inhibitor.

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4. The method according to claim 33, wherein the B-cell growth inhibitor is selected from the group consisting of:

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- (e) (a) a anti-BAFF ligand molecule or an active fragment thereof;
- (f) a recombinant, inoperative BAFF ligand molecule or an active fragment thereof;
- (g) an antibody specific for BAFF ligand or an active fragment thereof; and
- (h) an antibody specific for BAFF ligand receptor or an epitope thereof.

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35. The method according to claim 34, wherein the anti-BAFF ligand is soluble.

- 36. The method according to claim 35, wherein the soluble anti-BAFF ligand is a recombinant anti-BAFF ligand.
- 5 37. The method according to claim 34, wherein the anti-BAFF antibody is a monoclonal antibody.
  - 38. The method according to claim 34, wherein the anti-BAFF receptor antibody is a monoclonal antibody.
  - 39. The method according to claim 34, wherein the animal is of mammalian origin.
  - 40. The method according to claim 39, wherein the mammal is human.
  - 41. A method of treating hypertension in an animal comprising the step of administering a therapeutically effective amount of a co-inhibitor of B-cell growth and immunoglobulin secretion.
- 42. A method of treating cardiovascular disorders in an animal comprising the step of administering a therapeutically effective amount of a B-cell growth inhibitor.
  - 43. A method of treating cardiovascular disorders in an animal comprising the step of administering a therapeutically effective amount of a co-inhibitor of B-cell growth and immunoglobulin production.
  - 44. A method of treating renal disorders in an animal comprising the step of administering a therapeutically effective amount of a B-cell growth inhibitor.
- 45. A method of treating renal disorders in an animal comprising the step of administering a therapeutically effective amount of a co-inhibitor of B-cell growth and immunoglobulin production

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- 46. A method of treating B-cell lympho-proliferate disorders comprising the step of administering a therapeutically effective amount of a B-cell growth inhibitor.
- A method of stimulating B-cell production in the treatment of immunosuppressive diseases comprising the step of administering a therapeutically effective amount of a composition selected from the group consisting of:
  - (e) a BAFF ligand or an active fragment thereof;
  - (f) a BAFF ligand or an active fragment thereof and an anti-T antibody;
  - (g) a BAFF ligand or an active fragment thereof and a CD40 ligand;
  - (h) a BAFF ligand or an active fragment thereof and an anti-CD40 ligand molecule;
  - (i) a anti-BAFF ligand molecule or an active fragment thereof;
  - (j) a recombinant, inoperative BAFF ligand molecule or an active fragment thereof;
  - (k) an antibody specific for BAFF ligand or an active fragment thereof; and
  - (l) an antibody specific for BAFF ligand receptor or an epitope thereof.
  - 48. A method of stimulating B-cell production in the treatment of an immunosuppressive disease comprising the step of administering a therapeutically effective amount of a composition selected from the group consisting of:
    - (i) a BAFF ligand or an active fragment thereof;
    - (j) a BAFF ligand or an active fragment thereof and an anti-T antibody;
    - (k) a BAFF ligand or an active fragment thereof and a CD40 ligand;
    - (l) a BAFF ligand or an active fragment thereof and an anti-CD40 ligand molecule;
    - (m)a anti-BAFF ligand molecule or an active fragment thereof;
    - (n) a recombinant, inoperative BAFF ligand molecule or an active fragment thereof;
    - (o) an antibody specific for BAFF ligand or an active fragment thereof; and

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- 49. A method according to claim 48 wherein the immunosuppressive disease is HIV.
- 50. A method according to claim 49 wherein the immunosuppressive disease is associated with an organ transplantation.

51. A method for treating or reducing the advancement, severity or effects of Sjogren's syndrome in a patient comprising the step of administering a pharmaceutical composition comprising a therapeutically effective amount of a BAFF blocking agent and a pharmaceutically acceptable carrier.

- 52. The method of claim 51 wherein the BAFF blocking agent is selected from the group consisting of a soluble BAFF receptor molecule, an antibody directed against BAFF-ligand and an antibody directed against a BAFF receptor.
- 53. The method of claim 52 wherein the soluble BAFF receptor further comprises a human immunoglobulin Fc domain.
- 54. The method of claim 53 wherein the BAFF receptor is TACI.
- 20 55. The method of claim 53 wherein the BAFF receptor is BCMA.
  - 56. The method of claim 53 wherein the BAFF receptor is BAFF R.
- 57. The method of claim 52 wherein the antibody directed against BAFF-ligand is a monoclonal antibody.
  - 58. The method of claim 52 wherein the antibody directed against a BAFF receptor is a monoclonal antibody.
- 30 59. The method of claim 58 wherein the monoclonal antibody is directed against TACI.

- 60. The method of claim 58 wherein the monoclonal antibody is directed against BCMA.
- 61. The method of claim 58 wherein the monoclonal antibody is directed against BAFF R.